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## IN THE SPECIFICATION:

Please delete the sentence regarding FIG. 4A on page 6 (bottom of page). There is no Figure 4A.

Please amend Paragraph 1 on Page 7 as follows:

FIG. 5 is a side view of the pressure box of Figure 1, showing one embodiment of the pressure box inlet pressure seal element; and

Please amend Paragraph 2 on Page 7 as follows:

FIG. 6 is a side view of the pressure box of Figure 1, showing one embodiment of the pressure box outlet pressure scal[.]; and

Please amend Paragraph 2 on Page 8 as follows:

Referring to FIG. 1, a number of the assential components of the preferred pressure box 4 401, used in the pressure leanisator of the present invention 400 are shown in cross-tection. As illustrated, two rotatable belts, top bell 2 402 and bettom belt [4] 405, mounted on a phurality of support rollers (no. +140-120-120 410, 203, 430; bettom -240-240-240 10, 203, 203, 30), are pulsed through the pressure box 4 401, between the upper section 14 412 and the lower section 14 414, entering at the inlet end 46 416 and exiting at the outlet end 48 418, by their respective drive rollers 140 550 (top) and 250 (500) (bottom).

Please amend Paragraph 3 on Page 8 as follows:

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Alignment of the two rotating belts 3 492, and 143 495, is maintained by an electric alignment system comprising an alignment earniage 3-99 100, alignment pivor 340 110, electric alignment servo 349 120 and electric alignment eyes 349 130. If either of the belts moves out of alignment, the electric eye 349 130 detects the same and activates the alignment servo, which causes the belt to be adjusted as necessary by lateral movement of the alignment arraises 490 100.

Please amend Paragraph 4 on Page 8 extending to Page 9 as follows:

Please amend Paragraph 3 on Page 10 extending to Page 11 as follows:

Figure 2 illustrates in cross-section, the end view of pressure box ± 401, showing in particular the air pressure feed line 490 600, and the preferred points of contact thereof 402 602 and 404 604 with the upper section ±2 412 and lower section ±4 414 of the 08/04/2004 14:57 FAX \$\text{D094/012}

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pressure box, respectively. The pressure box is advantageously made out of metal, axel as aluminum (from 2 to 5 inches thick) and is held together by a plurality of threaded steel rods and nuts 406 605 and 408 608. As shown in Fig. 3 [inc. 2 and 4, the heating and cooling bars located in the lower section 14 412 of the pressure box are locked in place at each end by a fixed bracket 405 20. The heating and cooling bars located in the upper section 14 412 of the pressure box are locked in the upper section 14 412 of the pressure box ride on a pin bracket mount 443 800/812, which allow upward motion of the bars, while gravity keeps the bars resting on the upper bett. A plurality of cooling water lines, intel<sup>4</sup> 416 and outlet 446 [if are also shown in this Hustration [ii. 2. The electrical heating wires (not shown) are provided in anamer similar to the water lines.

## Please amend Paragraph 1 on Page 11 as follows:

Figure 3 illustrates a top view of the interior of the upper section 14 <u>412</u> of the pressure box 14 <u>401</u>, showing the currently preferred arrangement of the upper heating bars (408, 409, 408 and 408) (3108, 3100, 3107 and 3101)) and cooling bars (408, 409, 409, 408 and 2409) (3208, 3200, 3207 and 3201)). The pressurized box ± <u>401</u> is hold orgether by steel bars 900 mounted to the threaded rots 446 606 shown in the four corners. Not shown in this illustration are the nuts that thread thereon. The sides 2 <u>402</u> of the housing or frame, to which the steel bars and all rollers and controls are mounted, are also shown in this drawine.

## Please amend Paragraph 2 on Page 11 as follows:

Figure 4 illustrates, the pin bracket 442 for the upper section, vertically displaceable, heating and cooling burs. As illustrated, the pin bracket comprises a steel mounting bracket 669 800, fixed at one end to the aluminum side wall of the upper section 42 412 of the pressure box. A slot (not shown) is provided near the opposite end

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of bracket 669 800, through which a post 640 810 rides. The post 640 810 is mounted to the top of the heating or cooling bar at one end and capped at the opposite end 612 812. thereby limiting the vertical displacement distance of the heating and cooling bars. The bracket for the lower section heating and cooling bars 620 820 is also a steel bracket, but it is rigidly attached to both the heating and cooling bars and the aluminum side wall of the lower section 414 of of the pressure box.

Please amend Paragraph 3 on Page 11 extending into Page 12 as follows:

As side pressure seal 640 is also illustrated in FiG. 4 and il-lustrated in greaterhealth-in-Figure A. This seal is formed from a high temper curved aluminum shat 700 (e.g., 0.008 x 1 3/8"- Venetian bind) sandwiched between 2 mil PTFE (Teflon8) tape 710 on the tupper side and 10 mil ultrahigh molecular weight polyothylene tape 720 on the bottom side. The seal is held in Diace by a steel breaket 679 870.

Please amend Paragraph 1 on Page 12 as follows:

As illustrated in Figure 5 and 6, it has been discovered that the aluminum pressure seal taught in Figure 4A £ can be simplified, such that the side and intel pressure seals consists predominantly of the curved aluminum and 18.50.700 as previously described. The ultrahigh molecular weight polyethylene tape can be omitted and the pressure box, where the tapes still prove useful. This improved side seal and intel pressure as its illustrated in Figure 5.

Please amend Paragraph 2 on Page 12 as follows:

The exit pressure seal is shown in Figure 6. In addition to the curved aluminum slat 700, the belt side of the aluminum slat is coated with 5 mil PTFE (Teflon®)

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fiberglass cloth 800 900, which extends beyond the end of the aluminum seal and mounts to the inside of the pressure box frame. This exit seal design keeps the drive belt from binding on the aluminum stat.

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